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Date: 4/30/2022 8:32:03 AM
Subject: Arkema Project Area - Sediment Coring Update - 4/4/2022 through 4/28/2022
Attachments: integral-logo_bb8ba854-3124-462b-8a66-06670ee4325c.jpg
RM7Wa Sampling Status_2022-04-29.pdf

Hi Madi,

This email message provides a summary of the cores attempted and collected using vibracoring methods from April 4-28, 2022. A total of 41 core stations were successfully completed and an additional core station was attempted unsuccessfully (SC-27 due to poor recovery after 5 attempts; this station will require a sonic rig). The attached Working Draft RM7Wa Sampling Status maps show these locations (please note that there are two maps, one for the upstream area and the other for the downstream area).

The completed stations are as follows:

- SC-70-O (4/5/22). Drive depth: 11.3 ft bml (refusal). Recovery 96%. The methanol leaked out of the Terra core vials from the samples collected on 4/5/22. This station was reoccupied on 4/21/22 to collect an additional core for chlorobenzene analysis.
- SC-67-O (4/6/22). Drive depth: 12.3 ft bml (refusal). Recovery 97%
- SC-64-O (4/6/22). Drive depth: 10.5 ft bml (refusal). Recovery 99%
- SC-56-O (4/6/22). Drive depth: 9.5 ft bml (refusal). Recovery 124%
- SC-60-O (4/6/22). Drive depth: 9.9 ft bml (refusal). Recovery 103%
- SC-52-O (4/7/22). Drive depth: 8.1 ft bml (refusal). Recovery 96%
- SC-31 (4/7/22). Drive depth: 9.7 ft bml (refusal). Recovery 120%
- SC-32 (4/8/22). Drive depth: 8.9 ft bml (refusal). Recovery 110%
- SC-33 (4/8/22). Drive depth: 14.0 ft bml (refusal). Recovery 91%
- SC-6 (4/8/22). Drive depth: 9.6 ft bml (refusal). Recovery 85%
- SC-13 (4/8/22). Drive depth: 6.1 ft bml (refusal). Recovery 89%
- SC-5 (4/9/22). Drive depth: 9.5 ft bml (refusal). Recovery 117%
- SC-29 (4/9/22). Drive depth: 11.9 ft bml (refusal). Recovery 76%
- SC-7 (4/10/22). Drive depth: 15.3 ft bml (refusal). Recovery 72%
- SC-34 (4/10/22). Drive depth: 15.6 ft bml (refusal). Recovery 99%
- SC-37 (4/13/22). Drive depth: 15.3 ft bml (refusal). Recovery 97%
- SC-38 (4/13/22). Drive depth: 12.3 ft bml (refusal). Recovery 85%
- SC-39 (4/18/22). Drive depth: 14.4 ft bml (refusal). Recovery 83%
- SC-40 (4/19/22). Drive depth: 9.9 ft bml. Recovery 88%
- SC-42 (4/19/22). Drive depth: 8.5 ft bml (refusal). Recovery 108%
- SC-43 (4/20/22). Drive depth: 10.6 ft bml (refusal). Recovery 93%
- SC-44 (4/20/22). Drive depth: 11.7 ft bml (refusal). Recovery 80%
- SC-48 (4/20/22). Drive depth: 7.8 ft bml (refusal). Recovery 104%
- SC-53 (4/21/22). Drive depth: 10.1 ft bml (refusal). Recovery 68%
- SC-57 (4/21/22). Drive depth: 7.7 ft bml (refusal). Recovery 90%
- SC-65 (4/21/22). Drive depth: 11.2 ft bml (refusal). Recovery 106%
- SC-61 (4/22/22). Drive depth: 14.7 ft bml (refusal). Recovery 97%
- SC-68 (4/23/22). Drive depth: 14.5 ft bml (refusal). Recovery 108%
- SC-9 (4/23/22). Drive depth: 9.2 ft bml (refusal). Recovery 95%
- SC-10 (4/24/22). Drive depth: 7.2 ft bml (refusal). Recovery 82%
- SC-11 (4/24/22). Drive depth: 12.9 ft bml (refusal). Recovery 98%
- SC-15 (4/24/22). Drive depth: 7.7 ft bml (refusal). Recovery 90%

- SC-14 (4/25/22). Drive depth: 9.7 ft bml (refusal). Recovery 91%
- SC-76 (4/26/22). Drive depth: 19.2 ft bml. Recovery 70%
- SC-64-O2 (4/26/22). Drive depth: 11.6 ft bml (refusal). Recovery 96%
- SC-60-O2 (4/26/22). Drive depth: 9.0 ft bml (refusal). Recovery 108%
- SC-56-O2 (4/27/22). Drive depth: 7.5 ft bml (refusal). Recovery 101%
- SC-30 (4/27/22). Drive depth: 11.3 ft bml (refusal). Recovery 75%
- SC-72-O (4/27/22). Drive depth: 11.8 ft bml (refusal). Recovery 95%
- SC-67-O2 (4/27/22). Drive depth: 8.7 ft bml (refusal). Recovery 122%
- SC-47-O (4/28/22). Drive depth: 7.4 ft bml (refusal). Recovery 78%

No health and safety incidents occurred during this fieldwork period.

Field change request (FCR) form FCR-17 (Vibracore Step-Out Cores) was submitted and approved by EPA. LSS is preparing FCR-18 for additional vibracore step-out cores that were warranted due to chlorobenzene remediation threshold exceedances. There were no other substantive deviations from the PDI work plan.

A barge-mounted sonic rig will be required for approximately 20 core stations in areas where there is insufficient water for the vibracore vessel, areas of significant debris, and in areas where deeper sampling is warranted (e.g., nearshore areas between Docks 1 and 2). This work is anticipated in June or July.

Vibracoring activities will resume May 3-6, 2022.

Please let me or Mike know if you have any questions. Thanks!

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